**Windows®. Life without Walls™.**
**Fujitsu recommends Windows 7.**

# DATA SHEET
# FUJITSU ESPRIMO E5731 E-STAR 5.0 DESKTOP PC

## YOUR DESKTOP WITHOUT COMPROMISES

**ESPRIMO E5731 E-STAR 5.0**

As a small form factor PC the ESPRIMO E5731 E-Star 5.0 is the ideal choice for your desk. Depending on the space you have available, you can position the PC vertically or horizontally - without an additional base. Equipped with Intel® chipset and processor technology and DDR3 memory support, this PC provides the best possible performance levels to meet the requirements of your daily business applications - and at the same time remains efficient and quiet. Furthermore, this device is equipped with an up to 87% efficient power supply that already meets the ENERGY STAR® 5.0 criteria. Thus you achieve a considerably better energy balance, protecting both the environment and your budget.

**SMALL FORM FACTOR PC**

Flexible desktop solution whatever the space required

- Less than 13 litres volume, can be positioned vertically and horizontally

**ENERGY STAR® 5.0**

Low power consumption and low costs, without any loss in performance

- Power supply with up to 87% efficiency and enhanced power management settings

**ENVIRONMENTALLY COMPATIBLE PRODUCT**

Your contribution to environmental protection for the continued existence of our planet

- Halogen-free mainboard, sophisticated product concept for the entire lifecycle

**SILENT OPERATION**

Pleasant working environment due to an extremely quiet system

- Innovative hardware design, optimized cooling concept

**SERVICEABLITIY**

Easy to extend and optimal user-friendliness without any additional tools

- Easy access to all replaceable and expandable components

# COMPONENTS

| | |
|---|---|
| **PROCESSOR** | Intel® Core™2 Quad processor Q9650 (4 Cores / 4 Threads, 3.0 GHz, 12 MB, 1333 MHz) |
| | Intel® Core™2 Quad processor Q9550 (4 Cores / 4 Threads, 2.83 GHz, 12 MB, 1333 MHz) |
| | Intel® Core™2 Quad processor Q9505 (4 Cores / 4 Threads, 2.83 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Quad processor Q8300 (4 Cores / 4 Threads, 2.5 GHz, 4 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E8600 (2 Cores / 2 Threads, 3.33 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E8500 (2 Cores / 2 Threads, 3.16 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E8400 (2 Cores / 2 Threads, 3.0 GHz, 6 MB, 1333 MHz) |
| | Intel® Core™2 Duo processor E7600 (2 Cores / 2 Threads, 3.06 GHz, 3 MB, 1066 MHz) |
| | Intel® Core™2 Duo processor E7500 (2 Cores / 2 Threads, 2.93 GHz, 3 MB, 1066 MHz) |
| | Intel® Pentium® processor E6600 (2 Cores / 2 Threads, 3.06 GHz, 2 MB, 1066 MHz) |
| | Intel® Pentium® processor E5800 (2 Cores / 2 Threads, 3.2 GHz, 2 MB, 800 MHz) |
| | Intel® Pentium® processor E5700 (2 Cores / 2 Threads, 3.0 GHz, 2 MB, 800 MHz) |
| | Intel® Pentium® processor E5500 (2 Cores / 2 Threads, 2.8 GHz, 2 MB, 800 MHz) |
| | Intel® Pentium® processor E5400 (2 Cores / 2 Threads, 2.7 GHz, 2 MB, 800 MHz) |
| | Intel® Celeron® processor E3400 (2 Cores / 2 Threads, 2.6 GHz, 1 MB, 800 MHz) |
| | Intel® Celeron® processor E3200 (2 Cores / 2 Threads, 2.4 GHz, 1 MB, 800 MHz) |
| **OPERATING SYSTEM** | |
| **Operating system optional preinstalled** | Genuine Windows® 7 Home Basic (EM) 32-bit<br>Genuine Windows® 7 Home Premium 64-bit<br>Genuine Windows® 7 Professional 32-bit<br>Genuine Windows® 7 Professional 64-bit |
| **Operating system compatible** | openSUSE Linux<br>Genuine Windows Vista®<br>Genuine Windows® XP |
| **Operating system notes** | Dependent on configuration Windows 7® versions are:<br>Microsoft Office 2007 ready<br>Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.<br>Limited Windows XP support. Microsoft discontinued Windows XP certification on system level. |
| **MEMORY MODULES** | 1 GB (1 module(s) 1 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM |
| | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM |
| | 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM |
| **HARD DISK DRIVES (INTERNAL)** | SSD SATA, 128 GB, 2.5-inch |
| | SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical |
| | SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T. |
| | CF module IDE, 2 GB, (300x) |
| **Hard disk notes** | Supporting NCQ and 3 GBit<br>CF Modules for thin client usage (with or without embedded software) |
| **GRAPHICS ADD ON CARDS (OPTIONAL)** | DP to DVI-D (single link) Adapter Cable |
| | DVI-D + DisplayPort Extension Adapter |
| | DVI Extension Adapter |
| | NVIDIA® GeForce® 9300GE display port low profile, 512 MB |
| | NVIDIA® GeForce® 9500GS low profile, 512 MB |
| | NVIDIA® Quadro® NVS 290 low profile, 256 MB |

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| **DRIVES (OPTIONAL)** | 1.44 MB Floppy |
| | Blu-ray Disc™ Triple Writer |
| | DVD-ROM |
| | DVD Super Multi |
| | MultiCard Reader 20in1, 3.5-Inch |
| **INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)** | |
| | Parallel Interface |
| | FireWire PCI-Card IEEE1394 |
| | eSATA Interface |
| | Dual serial card PCI LP |
| **Base unit** | ESPRIMO E5731 E-Star5 |
| **MAINBOARD** | |
| **Mainboard type** | D3024 |
| **Formfactor** | proprietary |
| **Chipset** | Intel® Q43 |
| **Processor socket** | LGA 775 |
| **Processor quantity maximum** | 1 |
| **System bus (FSB / HT / QPI)** | up to 1333 MHz |
| **Memory slots** | 4 DIMM (DDR3) |
| **Supported capacity RAM (max.)** | 16 GB |
| **Memory frequency** | 1066 MHz |
| **Memory notes** | Dual channel support.<br>For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules). |
| **LAN** | 10/100/1000 MBit/s Intel® 82567 LF |
| **BIOS version** | Phoenix 6.0 |
| **BIOS features** | BIOS Flash EPROM update by software<br>Recovery BIOS |
| **Audio codec** | Realtek ALC663 |
| **Audio features** | Internal speaker supports audio playback, High Definition audio |
| **I/O CONTROLLER ON BOARD** | |
| **Serial ATA total** | 4 |
| **thereof eSATA** | 2 (optional) |
| **Controller functions** | Serial ATA II<br>NCQ and 3 GBit<br>AHCI |
| **INTERFACES** | |
| **Audio: line-in** | 1 |
| **Audio: line-out** | 1 |
| **Front audio: microphone** | 1 |
| **Front audio: headphone** | 1 |
| **USB 2.0 total** | 12 |
| **USB front** | 2 |
| **USB rear** | 6 |
| **USB internal** | 4 |
| **VGA** | 1 |
| **DisplayPort** | 1 (optional) |
| **DVI** | 1 (optional) |
| **Serial (RS-232)** | 2 (9pin, 16 byte FIFO, 16550 compatible) |
| **Mouse / Keyboard (PS/2)** | 2 |
| **Ethernet (RJ-45)** | 1 |
| **Parallel** | 1 (optional) (25pin with EPP and ECP) |
| **Interface Module notes** | Anytime USB charge functionality |

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| **INPUT DEVICE / COMPONENTS** | |
| | Optical USB tilt wheel mouse |
| **Input devices (optional)** | Optical USB/PS2 tilt wheel mouse |
| **DRIVE BAYS** | |
| **Drive bays total** | 3 |
| **3.5-inch internal bays** | 1 |
| **3.5-inch external bays** | 1 |
| **5.25-inch external bays** | 1 |
| **Drive bay notes** | optional external bay as internal 3,5” |
| **SLOTS** | |
| **PCI-Express 2.0 x16** | 1 x (210 mm) low profile |
| **PCI-Express x4 (mech. x8)** | 1 x (210 mm) low profile |
| **PCI (32-bit / 33 MHz)** | 2 x (190 mm) low profile |
| **Slots optional configuration** | or 1x PCI Express x16 low profile (190mm) and via Riser 2 x PCI full heigh (174 / 210 mm) |
| **GRAPHICS ON BOARD** | |
| **Graphics brand name** | Intel® GMA 4500 |
| **Shared video memory** | up to 1759 MB |
| **Refresh rate 1024 x 768 (recommended / max.)** | 85 Hz / - |
| **Refresh rate 1280 x 1024 (recommended / max.)** | 85 Hz / - |
| **Refresh rate 1600 x 1200 (recommended / max.)** | 85 Hz / - |
| **TFT resolution (VGA)** | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| **TFT resolution (DVI)** | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| **TFT resolution (DisplayPort)** | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel<br>2560 x 1440 pixel<br>2560 x 1600 pixel |
| **Graphics features** | DirectX 10<br>HDCP support<br>OpenGL® 2.0 |
| **Graphics notes** | Tested resolutions, depending on display type additional resolutions and frequencies possible<br>Shared memory depending on main memory size and operating system<br>Resolution (color depth up to 32 Bit/pixel)<br>For TFT we recommend using 60Hz |
| **ELECTRICAL VALUES** | |
| **Power efficiency note** | power supply efficiency (at 230V; 20% / 50% / 100% load) : 84% / 87% / 85%) |
| | 0-Watt mode with hard-off switch |
| **Rated voltage range** | 100 - 240 V |
| **Rated frequency range** | 50 - 60 Hz |
| **Operating voltage range** | 90 - 264 V |
| **Operating line frequency range** | 47 - 63 Hz |

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| **ELECTRICAL VALUES** | |
| **Max. output of single power supply** | 250 W |
| **Power factor correction/active power** | active |
| **Monitor outlet** | No |
| **POWER CONSUMPTION** | |
| **Power consumption note** | See white paper Energy Consumption<br>0-Watt mode with hard-off switch |
| **Link to Energy White Paper** | http://docs.ts.fujitsu.com/dl.aspx?id=e9315fdf-a1ac-4fe2-ae37-80d3a0028f55 |
| **HEAT DISSIPATION** | |
| **Heat dissipation notes** | See white paper Energy Consumption |
| **NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)** | |
| **Noise emission** | According to ISO9296 |
| **Related Processors for noise** | Intel® Core™2 Duo E8600 |
| **Noise Operation mode 1: ODD load (Blue angel requirement)** | 4.5 B / 30 dB(A) |
| **Noise Operation mode 2: HDD load (Blue angel requirement)** | 3.5 B / 19 dB(A) |
| **Noise Operation mode 3: CPU 90% load (Blue angel requirement)** | 3.5 B / 19 dB(A) |
| **Noise Operation mode 4: High load** | 3.5 B / 19 dB(A) |
| **Noise Operation mode 5: Office applications** | 3.5 B / 19 dB(A) |
| **Idle mode (Blue Angel requirement)** | 3.5 B / 19 dB(A) |
| **Noise notes / description** | A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position |
| **DIMENSIONS / WEIGHT / ENVIRONMENTAL** | |
| **Dimensions (W x D x H)** | 340 x 380 x 100 mm |
| **Operating position** | Vertical / horizontal (no feet needed) |
| **Weight** | approx. 10 kg |
| **Weight notes** | Actual weight may vary depending on configuration |
| **Operating ambient temperature** | 10 - 35°C |
| **COMPLIANCE** | |
| **Product** | ESPRIMO E5731 |
| **Model** | DT7-3024 |
| **Germany** | Blauer Engel / Blue Angel<br>GS optional |
| **Europe** | CE<br>Nordic Swan |
| **USA/Canada** | FCC Class B<br>cCSAus |
| **Global** | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronical equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>ENERGY STAR® 5.0<br>EPEAT® Silver |
| **Compliance link** | https://sp.ts.fujitsu.com/sites/certificates/default.aspx |
| **ADDITIONAL SOFTWARE** | |
| **Additional software (preinstalled)** | Nero Essentials S (burning software) |
| **Additional software (optional)** | Recovery DVD for Windows®<br>Drivers & Utilities DVD (DUDVD)<br>CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics)<br>Nero 9 Essentials XL |

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| **MISCELLANEOUS** | |
| | Thermal management<br>Keyboard on (Special Fujitsu keyboard required)<br>Extended lifetime |
| **COMPATIBILITY (REFERENCES)** | |
| | DMI 2.0<br>PC 2001<br>WMI 1.5<br>USB 2.0<br>SMBIOS |
| **MANAGEABILITY** | |
| **Manageability features** | DeskUpdate Driver management<br>PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>Intrusion switch (optional)<br>Intel® Standard Manageability |
| **Manageability type** | DeskView 10.x client management including: |
| **DeskView features** | On/Offline remote client management<br>Detailed system inventory management and reports<br>BIOS Management<br>Remote power management<br>System notifications<br>Advanced alerts (ASF implementation)<br>Security Remote Control<br>DeskView Helpdesk Integration<br>WoL (Wake on LAN) |
| **Manageability link** | http://ts.fujitsu.com/manageability<br>http://www.altiris.com/fujitsu |
| **SECURITY** | |
| **Physical security** | Kensington Lock support<br>Eye for padlock<br>Optional: Integrated cabinet lock |
| **System security** | Boot sector virus protection<br>Write protect option for the Flash EPROM<br>Embedded security (TPM 1.2)<br>Control of all USB interfaces<br>External USB ports can be disabled separately<br>Boot protection for floppy disk / CD drive and write protection for floppy disk drive<br>Control of external interfaces |
| **User security** | User and supervisor BIOS password<br>SystemLock 2 BIOS SmartCard Security<br>Hard disk password<br>Optional: Access protection via external SmartCard reader<br>Optional: Access protection via internal SmartCard reader |
| **SERVICEABILITY** | |
| | FlexySlot<br>EasyFix<br>EasyChange for HDD<br>EasyChange for optical drives |
| **PACKAGING INFORMATION** | |
| **Packaging dimension** | 500x290x540 mm |
| **Max. quantity / pallet** | 24 |
| **Material - Weight (g) Carton** | 1270 g |
| **Material - Weight (g) EPS / PS** | 230 g |
| **Material - Weight (g) PE** | appr. 60 g |
| **Packaging notes** | printed user documentation is bleached in chlorine free process |
| **WARRANTY** | |
| **Standard Warranty** | 1 year |

## WARRANTY

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|---|---|
| **Service level** | Bring-In / On-Site Service (depending on country) |

## MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

| | |
|---|---|
| **Recommended Service** | 5x9, Response Time: Next Business Day |
| **Spare Parts availability** | 5 years |
| **Service Weblink** | http://ts.fujitsu.com/Supportservice |

**Windows®. Life without Walls™.**
**Fujitsu recommends Windows 7.**

## FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu ESPRIMO E5731 E-Star 5.0, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Dynamic Infrastructures**
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

**Computing Products**
www.fujitsu.com/global/services/computing/

**Software**
www.fujitsu.com/software/

## MORE INFORMATION

Learn more about Fujitsu ESPRIMO E5731 E-Star 5.0, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/ESPRIMO

## FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at http://www.fujitsu.com/global/about/environment/

Green Policy Innovation

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